

# Comparisons of Job Characteristics

**Focus Occupation:** [Radiation Therapists \(29-1124\)](#)

**Associated Occupation:** [Diagnostic Medical Sonographers \(29-2032\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 93

**Focus Occupation:** Radiation Therapists (29-1124)

**Associated Occupation:** Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.5	17.1	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	14.6	14.3	0	Current knowledge level may be sufficient
Physics	4.3	14.0	11.9	<	Expanded education and/or training may be required
Biology	3.7	7.2	12.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Radiation Therapists (29-1124)

**Associated Occupation:** Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	10.3	8.1	<	A higher skill level may be required
Operation Monitoring	6.6	10.0	10.8	0	Current skill level may be sufficient
Operation and Control	5.4	9.5	10.7	>	Skill level is likely sufficient
Equipment Maintenance	3.5	6.7	6.7	0	Current skill level may be sufficient
Equipment Selection	3.3	5.6	6.9	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	12.8	11.2	<	Some improvement in abilities may be required
Control Precision	6.6	11.2	9.6	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	10.3	11.1	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.3	8.6	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	9.4	6.9	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.8	6.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Work Activities	Exclusivity of Activity
Collect clinical data	56
Communicate technical information	4
Make presentations on health or medical issues	50
Observe patient condition	48
Take vital signs	56
Understand technical operating, service or repair manuals	6
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Diagnostic Medical Sonographers (29-2032)

<b>Tools and Technologies</b>	<b>Exclusivity</b>
Computers	1
Content authoring and editing software	1
Industry specific software	1
Medical diagnostic x ray products	26
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.